

Title (en)

RESIN COMPOSITION, PREPREG, RESIN SHEET, AND METAL FOIL-CLAD LAMINATE

Title (de)

HARZZUSAMMENSETZUNG, PREPREG UND HARZFOLIE SOWIE METALLFOLIENBESCHICHTETES LAMINAT

Title (fr)

COMPOSITION DE RÉSINE, PRÉIMPRÉGNÉ, FEUILLE DE RÉSINE ET STRATIFIÉ REVÊTU D'UNE FEUILLE MÉTALLIQUE

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Application

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Abstract (en)

[origin: EP2832797A1] The present invention provides a resin composition that not only has high flame retardancy but also has excellent heat resistance, peel strength with copper foil, thermal expansion coefficient, heat resistance property upon moisture absorption, and electrical properties, a prepreg and a single-layer or laminated sheet using the same, a metal foil-clad laminate using the prepreg, and the like. The resin composition of the present invention is a resin composition having polyphenylene ether (A) having a number average molecular weight of 500 to 5000, a phosphorus-containing cyanate ester compound (B) represented by the following formula (13), a cyclophosphazene compound (C), a halogen-free epoxy resin (D), a cyanate ester compound (E) other than the phosphorus-containing cyanate ester compound (B), an oligomer (F) of styrene and/or substituted styrene, and a filler (G), wherein a content of the phosphorus-containing cyanate ester compound (B) is 1 to 10 parts by mass based on 100 parts by mass of a total of the (A) to (F) components. wherein m represents an integer of 1 to 3.

IPC 8 full level

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